

# PATENT ABSTRACTS OF JAPAN

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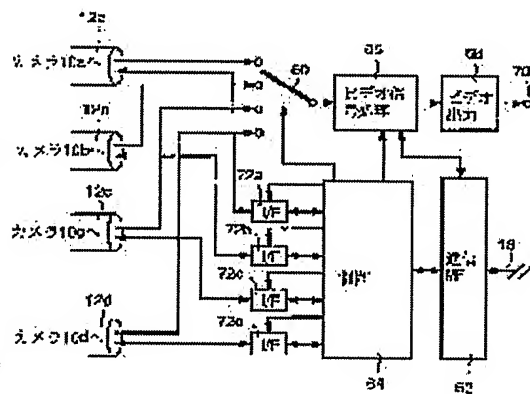
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## (54) CAMERA CONTROLLER AND ITS METHOD, AND IMAGE PICKUP SYSTEM

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a camera controller that can control a desired camera among a plurality of cameras freely by a remote controller.

**SOLUTION:** A video switch 60 selects a video signal from any of cameras 10a-10d. A control circuit 64 activates a control signal interface among interfaces 72a-72d with respect to the camera selected by the switch 60 and inactivates the others. However, when the switch 60 selects a camera not provided with a remote control light receiving function, the control circuit 64 activates any of the control signal interfaces 72a-72d corresponding to any camera having the remote control light receiving function and remotely controls the camera selected by the video switch 60 according to the remote control signal transferred from the camera.



## LEGAL STATUS

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1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.\*\*\*\* shows the word which can not be translated.

3.In the drawings, any words are not translated.

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CLAIMS

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[Claim(s)]

[Claim 1] An image selection means to be the camera control unit which controls two or more cameras which have the transfer facility which carries out the external output of the control signal which receives a radio control signal, and which was received [ which received and wireless-reception-functioned ], and to choose the image information from one of two or more cameras concerned, The camera control unit characterized by providing the control means which confirms control of the camera chosen with the image selection means concerned by the radio control signal received with the camera chosen by the image selection means concerned, and makes an invalid control of the camera of others which are not chosen with the image selection means concerned.

[Claim 2] The control means concerned is a camera control unit according to claim 1 which receives the control signal according to the radio control signal received with the camera chosen by the image selection means concerned from the camera concerned, and supplies the control signal according to the control signal to the camera chosen with the image selection means concerned.

[Claim 3] It is the camera control unit which controls the 1st camera and the 2nd camera which has the transfer facility which carries out the external output of the control signal which receives a radio control signal, and which was received [ which received and wireless-reception-functioned ]. When an image selection means to choose one side of the video signal outputted from the video signal outputted from the 1st camera concerned and the 2nd camera concerned, and the image selection means concerned choose the 2nd camera concerned, When the 2nd camera concerned is controlled by the radio control signal concerned received with the 2nd camera concerned and the image selection means concerned chooses the 1st camera concerned, The camera control unit characterized by providing the control means which controls the 1st camera concerned by the radio control signal concerned received with the 2nd camera concerned.

[Claim 4] The camera control unit according to claim 1 or 3 with which the radio control signal concerned consists of an infrared signal.

[Claim 5] The image selection step which is the camera-control approach which controls two or more cameras which have the transfer facility which carries out the external output of the control signal which receives a radio control signal, and which was received [ which received and wireless-reception-functioned ], and chooses the image information from one of two or more cameras concerned, Are based on the radio control signal received with the camera chosen by the image selection step concerned. The camera-control approach characterized by providing the control step which confirms control of the camera chosen at the image selection step concerned, and makes an invalid control of the camera of others which are not chosen at the image selection step concerned.

[Claim 6] The control step concerned is the camera-control approach according to claim 5 which receives the control signal according to the radio control signal received with the camera chosen by the image selection step concerned from the camera concerned, and supplies the control signal according to the control signal to the camera chosen at the image selection step

concerned.

[Claim 7] It is the camera-control approach which controls the 1st camera and the 2nd camera which has the transfer facility which carries out the external output of the control signal which receives a radio control signal, and which was received [ which received and wireless-reception-functioned ]. When the image selection step which chooses one side of the video signal outputted from the video signal outputted from the 1st camera concerned and the 2nd camera concerned, and the image selection step concerned choose the 2nd camera concerned, When the 2nd camera concerned is controlled by the radio control signal concerned received with the 2nd camera concerned and the image selection step concerned chooses the 1st camera concerned, The camera-control approach characterized by providing the control step which controls the 1st camera concerned by the radio control signal concerned received with the 2nd camera concerned.

[Claim 8] The camera-control approach according to claim 5 or 7 that the radio control signal concerned consists of an infrared signal.

[Claim 9] Two or more cameras which have the transfer facility which carries out the external output of the control signal which receives a radio control signal, and which was received [ which received and wireless-reception-functioned ], An image selection means to choose the image information from one of two or more cameras concerned, The image pick-up system characterized by providing the control means which confirms control of the camera chosen with the image selection means concerned by the radio control signal received with the camera chosen by the image selection means concerned, and makes an invalid control of the camera of others which are not chosen with the image selection means concerned.

[Claim 10] The control means concerned is an image pick-up system according to claim 9 which receives the control signal according to the radio control signal received with the camera chosen by the image selection means concerned from the camera concerned, and supplies the control signal according to the control signal to the camera chosen with the image selection means concerned.

[Claim 11] The 1st camera and the 2nd camera which has the transfer facility which carries out the external output of the control signal which receives a radio control signal, and which was received [ which received and wireless-reception-functioned ], When an image selection means to choose one side of the video signal outputted from the video signal outputted from the 1st camera concerned and the 2nd camera concerned, and the image selection means concerned choose the 2nd camera concerned, When the 2nd camera concerned is controlled by the radio control signal concerned received with the 2nd camera concerned and the image selection means concerned chooses the 1st camera concerned, The image pick-up system characterized by providing the control means which controls the 1st camera concerned by the radio control signal concerned received with the 2nd camera concerned.

[Claim 12] The image pick-up system according to claim 9 or 11 by which the radio control signal concerned consists of an infrared signal.

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[Translation done.]